

Title (en)

Wind direction adjusting apparatus and indoor unit of air conditioner

Title (de)

Windrichtungsanpassungsvorrichtung und Innenraumeinheit einer Klimaanlage

Title (fr)

Appareil d'ajustement de direction du vent et unité intérieure de climatiseur

Publication

**EP 2292984 A3 20141217 (EN)**

Application

**EP 10003179 A 20100325**

Priority

JP 2009172016 A 20090723

Abstract (en)

[origin: EP2292984A2] There is provided an wind direction adjusting apparatus in which an energy saving effect is obtained by restraining an increase in draft resistance, and an indoor unit of an air conditioner having the wind direction adjusting apparatus provided therein. An wind direction adjusting apparatus 200 includes a base member 40, a first wind direction plate 12 provided on the base member 40 so as to be rotatable about a reference center of rotation A, a second wind direction plate 22 provided on the first wind direction plate 12 so as to be rotatable about a coupled center of rotation B, a moving member 30 provided with the first wind direction plate 12 and the second wind direction plate 22 so as to be rotatable about a first center of rotation C and a second center of rotation D respectively, and driving means 50 configured to move the moving member 30 relatively with respect to the base member 40, and an angle formed between a first imaginary line L1 connecting the reference center of rotation A and the coupled center of rotation B and a second imaginary line L2 connecting the coupled center of rotation B and the second center of rotation D varies according to the amount of relative movement of the moving member 30.

IPC 8 full level

**F24F 1/00** (2011.01); **F24F 13/14** (2006.01); **F24F 13/15** (2006.01)

CPC (source: EP)

**F24F 1/0011** (2013.01); **F24F 13/1426** (2013.01); **F24F 13/15** (2013.01); **F24F 2013/1473** (2013.01)

Citation (search report)

- [X] JP 2006275318 A 20061012 - MITSUBISHI ELECTRIC CORP
- [X] JP H11173652 A 19990702 - MITSUBISHI ELECTRIC CORP
- [X] JP S61145248 U 19860908
- [AD] JP 2007132636 A 20070531 - MITSUBISHI ELECTRIC CORP
- [A] US 2006079171 A1 20060413 - LU LEGEND [TW]

Cited by

CN106705398A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

**EP 2292984 A2 20110309**; **EP 2292984 A3 20141217**; **EP 2292984 B1 20170816**; CN 101963388 A 20110202; CN 101963388 B 20130619; JP 2011027302 A 20110210; JP 5042281 B2 20121003

DOCDB simple family (application)

**EP 10003179 A 20100325**; CN 201010171676 A 20100428; JP 2009172016 A 20090723